

WHAT IS CLAIMED:

1. A dimensioning system for a computer generated geometric model including a plurality of entities, the dimensioning system comprising:

a selector which selects two entities of the model; and

5 a dimension defining system which defines each dimension associated with the selected entities of the model.

2. The dimensioning system of claim 1, further comprising an indicator which indicates to a user candidate entities of the model, in response to user events, that may be selected, and wherein each entity is selected based on an indicated candidate entity.

10 3. The dimensioning system of claim 1, further comprising a model display which displays a representation of the model on a display screen, and a dimension display which displays dimension information on the display screen based on the defined dimension.

15 4. The dimensioning system of claim 1, wherein the geometric model comprises a 3-D sheet metal part model.

20 5. The dimensioning system of claim 4, the selector comprising an attachment point selector which selects an attachment point corresponding to each selected entity, and the dimension defining system comprising a cuboid generator which generates a cuboid defined by the selected attachment points as opposite diagonal corners of the cuboid, the dimension between the attachment points being defined as either a straight line connecting the attachment points or as three adjacent edges of the cuboid, the three adjacent edges connecting the attachment points.